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SEQUENCE LISTING

(1) GENERAL INFORMATION:

- (i) APPLICANT: Kilkuskie, Robert E.
 Frank, Bruce L.
 Goodchild, John
 Wolfe, Jia L.
 Roberts, Peter C.
 Hamlin, Jr., Henry A.
 Roberts, Noel A.
 Walther, Debra M.
- (ii) TITLE OF INVENTION: Oligonucleotides Specific for Hepatitis C Virus
- (iii) NUMBER OF SEQUENCES: 173
- (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: Hale and Dorr LLP
 - (B) STREET: 60 State Street
 - (C) CITY: Boston
 - (D) STATE: MA
 - (E) COUNTRY: USA
 - (F) ZIP: 02109
- (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Floppy disk
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 - (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
- (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER: US 08/887,505
 - (B) FILING DATE: 02-JUL-1997
 - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: US 08/471,968
 - (B) FILING DATE: 06-JUN-1995
- (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: Kerner, Ann-Louise
 - (B) REGISTRATION NUMBER: 33,523
 - (C) REFERENCE/DOCKET NUMBER: 47508-250HYZ-040CIP
 - (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: (617) 526-6000
 - (B) TELEFAX: (617) 526-5000
- (2) INFORMATION FOR SEQ ID NO:1:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 20 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single

	(D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:1:	
GGTGCACG	GT CTACGAGACC	20
(2) INFO	RMATION FOR SEQ ID NO:2:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:2:	
CATGGTGC	AC GGTCTACGAG	20
(2) INFO	RMATION FOR SEQ ID NO:3:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:3:	
GCTCATGG	TG CACGGTCTAC	20
(2) INFO	RMATION FOR SEQ ID NO:4:	
	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	

(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:4:	
GTGCTCAT	GG TGCACGGTCT	20
(2) INFO	RMATION FOR SEQ ID NO:5:	
	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:5:	
CGTGCTCA	IG GTGCACGGTC	20
(2) INFO	RMATION FOR SEQ ID NO:6:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:6:	
TTCGTGCT	CA TGGTGCACGG	20
(2) INFO	RMATION FOR SEQ ID NO:7:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:7:	

GGATTCGT	GC TCATGGTGCA	20
(2) INFO	RMATION FOR SEQ ID NO:8:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:8:	
TTAGGATT	CG TGCTCATGGT	20
(2) INFO	RMATION FOR SEQ ID NO:9:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:9:	
GGTTTAGG	AT TCGTGCTCAT	20
(2) INFO	RMATION FOR SEQ ID NO:10:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:10:	
TGAGGTTT	AG GATTCGTGCT	20
(2) INFO	RMATION FOR SEQ ID NO:11:	
(i)	SEQUENCE CHARACTERISTICS:	

	(A) LENGTH: 20 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:11:	
CTTTGAGG'	IT TAGGATTCGT	20
(2) INFO	RMATION FOR SEQ ID NO:12:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:12:	
TTCTTTGA	GG TTTAGGATTC	20
(2) INFO	RMATION FOR SEQ ID NO:13:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:13:	
TACGTTTG	GT TTTTCTTTGA	20
(2) INFO	RMATION FOR SEQ ID NO:14:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	

(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:14:	
GTTGGTGT	TA CGTTTGGTTT	20
(2) INFO	RMATION FOR SEQ ID NO:15:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:15:	
GCACGACA	CT CATACTAACG	20
(2) INFO	RMATION FOR SEQ ID NO:16:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:16:	
GGCTGCAC	GA CACTCATACT	20
(2) INFO	RMATION FOR SEQ ID NO:17:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:	
TGGAGGCTGC ACGACACTCA	20
(2) INFORMATION FOR SEQ ID NO:18:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: YES	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:18:	
GTCCTGGAGG CTGCACGACA	20
(2) INFORMATION FOR SEQ ID NO:19:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: YES	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:19:	
GGGGGTCCTG GAGGCTGCAC	20
(2) INFORMATION FOR SEQ ID NO:20:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 20 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: YES	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:20:	
GAGGGGGGT CCTGGAGGCT	20
(2) INFORMATION FOR SEQ ID NO:21:	

(1)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:21:	
CCGGGAGG	GG GGGTCCTGGA	20
(2) INFO	RMATION FOR SEQ ID NO:22:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:22:	
GGCTCTCC	CG GGAGGGGGG	20
(2) INFO	RMATION FOR SEQ ID NO:23:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:23:	
CCACTATG	GC TCTCCCGGGA	20
(2) INFO	RMATION FOR SEQ ID NO:24:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	

(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:24:	
AACACTACT	IC GGCTAGCAGT	20
(2) INFO	RMATION FOR SEQ ID NO:25:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:25:	
ACCCAACA	CT ACTCGGCTAG	20
(2) INFO	RMATION FOR SEQ ID NO:26:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:26:	
CGACCCAA	CA CTACTCGGCT	20
(2) INFO	RMATION FOR SEQ ID NO:27:	
	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	

(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:27:	
CGCGACCC	CAA CACTACTCGG	20
(2) INFO	RMATION FOR SEQ ID NO:28:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:28:	
TTCGCGAC	CCC AACACTACTC	20
(2) INFO	ORMATION FOR SEQ ID NO:29:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:29:	
CTTTCGCC	GAC CCAACACTAC	20
(2) INFO	DRMATION FOR SEQ ID NO:30:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:30:	
GCCTTTC	GCG ACCCAACACT	20
(2) INF	ORMATION FOR SEQ ID NO:31:	

(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:31:	
AGGCCTTT	CG CGACCCAACA	20
(2) INFO	RMATION FOR SEQ ID NO:32:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:32:	
CAAGGCCT	TT CGCGACCCAA	20
(2) INFO	RMATION FOR SEQ ID NO:33:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:33:	
CACAAGGC	CT TTCGCGACCC	20
(2) INFO	RMATION FOR SEQ ID NO:34:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	

(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:34:	
ACCACAAG	GC CTTTCGCGAC	20
(2) INFO	RMATION FOR SEQ ID NO:35:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:35:	
AGTACCAC	AA GGCCTTTCGC	20
(2) INFO	RMATION FOR SEQ ID NO:36:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:36:	
GTCTACGA	GA CCTCCCGGG	19
(2) INFO	RMATION FOR SEQ ID NO:37:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:37:	
GCACGGTCTA CGAGACCTCC	20
(2) INFORMATION FOR SEQ ID NO:38:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA/RNA	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: YES	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:38:	
GGGGUCCUGG AGNNNNNN	18
(2) INFORMATION FOR SEQ ID NO:39:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA/RNA	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: YES	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:39:	
GGGGUCCUGG AGGACCGG	18
(2) INFORMATION FOR SEQ ID NO:40:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 18 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA/RNA	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: YES	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:40:	
GACCGGGGGG UCCUGGAG	18
(2) INFORMATION FOR SEQ ID NO:41:	

(1)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:41:	
GGGGUCCU	GG AGAGGATT	18
(2) INFO	RMATION FOR SEQ ID NO:42:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:42:	
AGGATTGO	GG UCCUGGAG	18
(2) INFO	ORMATION FOR SEQ ID NO:43:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:43:	
GGGGUCCT	JGG AGCATGGT	18
(2) INFO	DRMATION FOR SEQ ID NO:44:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	

(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:44:	
CATGGTGG	GG UCCUGGAG	18
(2) INFO	RMATION FOR SEQ ID NO:45:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:45:	
GGGGUCCU	GG AGCGTGCT	18
(2) INFO	RMATION FOR SEQ ID NO:46:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:46:	
CGTGCTGG	GG UCCUGGAG	18
(2) INFO	RMATION FOR SEQ ID NO:47:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 12 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	

(x	i) SEQUENCE DESCRIPTION: SEQ ID NO:47:	
GGGGUC	CUGG AG	12
(2) IN	FORMATION FOR SEQ ID NO:48:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(i	i) MOLECULE TYPE: DNA	
(ii	i) HYPOTHETICAL: NO	
(i	v) ANTI-SENSE: YES	
(x	i) SEQUENCE DESCRIPTION: SEQ ID NO:48:	
GGGGTC	CTGG AGCATGGTGC ACGG	24
(2) IN	FORMATION FOR SEQ ID NO:49:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(i	i) MOLECULE TYPE: DNA/RNA	
(ii	i) HYPOTHETICAL: NO	
(i	v) ANTI-SENSE: YES	
(x	Ei) SEQUENCE DESCRIPTION: SEQ ID NO:49:	
GGGGUC	CCUGG AGGGTGCA	18
(2) IN	FORMATION FOR SEQ ID NO:50:	
((i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(i	i) MOLECULE TYPE: DNA/RNA	
(ii	i) HYPOTHETICAL: NO	
(i	v) ANTI-SENSE: YES	
(x	(i) SEQUENCE DESCRIPTION: SEQ ID NO:50:	
GGTGCA	AGGGG UCCUGGAG	18
(2) IN	NFORMATION FOR SEQ ID NO:51:	

(1)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:51:	
GGGGUCCU	GG AGGCTCAT	18
(2) INFO	RMATION FOR SEQ ID NO:52:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:52:	
GCTCATGG	GG TCCTGGAG	18
(2) INFO	RMATION FOR SEQ ID NO:53:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:53:	
GGGGUCCU	GG AGATTCGT	18
(2) INFO	RMATION FOR SEQ ID NO:54:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	

(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:54:	
ATTCGTGG	GG UCCUGGAG	18
(2) INFO	RMATION FOR SEQ ID NO:55:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:55:	
GGGGTCCT	GG AGAGGATTCG TGCT	24
(2) INFO	RMATION FOR SEQ ID NO:56:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:56:	
GGGGUCCU	GG AGCGTGCTCA TGGT	24
(2) INFO	RMATION FOR SEQ ID NO:57:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:57:	
CATGGTGCAC GGGGGGTCCT GGAG	24
(2) INFORMATION FOR SEQ ID NO:58:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: YES	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:58:	
TGGATTCGTG CAGGGGTCCT GGAG	24
(2) INFORMATION FOR SEQ ID NO:59:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: YES	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:59:	
CGTGCTCATG GTGGGGTCCT GGAG	24
(2) INFORMATION FOR SEQ ID NO:60:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 24 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: YES	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:60:	
GGGGTCCTGG AGATTCGTGC TCAT	24
(2) INFORMATION FOR SEQ ID NO:61:	

(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:61:	
ATTCGTGC	TC ATGGGGTCCT GGAG	24
(2) INFO	RMATION FOR SEQ ID NO:62:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:62:	
GGGGTCCT	GG AGTGGTGCAC GGTC	24
(2) INFO	RMATION FOR SEQ ID NO:63:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:63:	
TGGTGCAC	GG TCGGGGTCCT GGAG	24
(2) INFO	RMATION FOR SEQ ID NO:64:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	

(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:64:	
GGGGUCCU	GG AGGCTCATGG TGCA	24
(2) INFO	RMATION FOR SEQ ID NO:65:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:65:	
GCTCATGG	TG CAGGGGUCCU GGAG	24
(2) INFO	RMATION FOR SEQ ID NO:66:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:66:	
GGGGTCCT	GG AGGCACGGTC TACG	24
(2) INFO	RMATION FOR SEQ ID NO:67:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:67:	
GGGGUCCUGG AGNNNNNNN NNNN	24
(2) INFORMATION FOR SEQ ID NO:68:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 28 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: YES	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:68:	
TTCGCGACCC AACACTACTC GGCTAGCA	28
(2) INFORMATION FOR SEQ ID NO:69:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: YES	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:69:	
CATGGCTAGA CGCTTTCTGC	20
(2) INFORMATION FOR SEQ ID NO:70:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 20 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: YES	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:70:	
CTCGCGGGGG CACGCCCAAA	20
(2) INFORMATION FOR SEQ ID NO:71:	

(1)	(A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:71:	
TGAGCGGG'	IT GATCCAAGAA	20
(2) INFO	RMATION FOR SEQ ID NO:72:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:72:	
GATCCAAG	AA AGGACCCGGT	20
(2) INFO	RMATION FOR SEQ ID NO:73:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:73:	
GGCTAGCA	GT CTCGCGGGG	20
(2) INFO	RMATION FOR SEQ ID NO:74:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 28 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	

(11)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:74:	
GCCTTTCG	CG ACCCAACACT ACTCGGCT	28
(2) INFO	RMATION FOR SEQ ID NO:75:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:75:	
CTTTCGCG	AC CCAACACTAC TCGG	24
(2) INFO	RMATION FOR SEQ ID NO:76:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:76:	
CGCGACCC	AA CACTAC	16
(2) INFO	RMATION FOR SEQ ID NO:77:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:77:	
GGGGCACTCG CAAGCACCCT	20
(2) INFORMATION FOR SEQ ID NO:78:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 12 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA/RNA	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: YES	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:78:	
GCACGGTCTA CG	12
(2) INFORMATION FOR SEQ ID NO:79:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 12 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE: DNA/RNA	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: YES	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:79:	
GCACGGTCTA CG	12
(2) INFORMATION FOR SEQ ID NO:80:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 12 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA/RNA	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: YES	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:80:	
CAACACUACU CG	12
(2) INFORMATION FOR SEQ ID NO:81:	

(1)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:81:	
CAACGATCT	G ACCTCCGCCC G	21
(2) INFOR	MATION FOR SEQ ID NO:82:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:82:	
TACTCACCG	G TTCCGCAGAC	20
(2) INFOR	MATION FOR SEQ ID NO:83:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:83:	
GTGTACTCA	AC CGGTTCCGCA	20
(2) INFOR	MATION FOR SEQ ID NO:84:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single	

	(D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:84:	
GGCAATTC	CG GTGTACTCAC	20
(2) INFO	RMATION FOR SEQ ID NO:85:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:85:	
CCTGGCAA	TT CCGGTGTACT	20
(2) INFO	RMATION FOR SEQ ID NO:86:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:86:	
CGTCCTGG	CA ATTCCGGTGT	20
(2) INFO	RMATION FOR SEQ ID NO:87:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	

	(iv)	ANTI-SENSE: YES	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:87:	
GGTC	GTCCI	rg gcaattccgg	20
(2)	INFOF	RMATION FOR SEQ ID NO:88:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: DNA	
(:	iii)	HYPOTHETICAL: NO	
	(iv)	ANTI-SENSE: YES	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:88:	
GACC	CGGT	CG TCCTGGCAAT	20
(2)	INFOR	RMATION FOR SEQ ID NO:89:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
	(iv)	ANTI-SENSE: YES	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:89:	
CAAG	AAAG	GA CCCGGTCGTC	20
(2)	INFO	RMATION FOR SEQ ID NO:90:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
	(iv)	ANTI-SENSE: YES	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:90:	

TGATCCAAC	GA AAGGACCCGG T	21
(2) INFO	RMATION FOR SEQ ID NO:91:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:91:	
GGTTGATC	CA AGAAAGGACC	20
(2) INFO	RMATION FOR SEQ ID NO:92:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:92:	
GCGGGTTG	AT CCAAGAAAGG	20
(2) INFO	RMATION FOR SEQ ID NO:93:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:93:	
CATTGAGC	GG GTTGATCCAA	20
(2) INFO	RMATION FOR SEQ ID NO:94:	
(i)	SECUENCE CHARACTERISTICS:	

	(A) LENGTH: 20 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:94:	
AGGCATTG	AG CGGGTTGATC	20
(2) INFO	RMATION FOR SEQ ID NO:95:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:95:	
CATAGAGG	GG CCAAGGGTAC	20
(2) INFO	RMATION FOR SEQ ID NO:96:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 9 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:96:	
CCCGGGAG	G	9
(2) INFO	RMATION FOR SEQ ID NO:97:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 12 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	

(11)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:97:	
CACUAUGG	כט כט	12
(2) INFO	RMATION FOR SEQ ID NO:98:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 12 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:98:	
UUCCGCAG	AC CA	12
(2) INFO	RMATION FOR SEQ ID NO:99:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 12 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:99:	
GGUCGUCC	UG GC	12
(2) INFO	RMATION FOR SEQ ID NO:100:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 12 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	

(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:100:	
AAAUCUCCA	AG GC	12
(2) INFO	RMATION FOR SEQ ID NO:101:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 12 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:101:	
CGACCCAA	CA CU	12
(2) INFO	RMATION FOR SEQ ID NO:102:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 12 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:102:	
AGUACCACA	AA GG	12
(2) INFO	RMATION FOR SEQ ID NO:103:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 9 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:103:	
CCUCCCGG	G	9

(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 6 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:104:	
ACGAGA		6
(2) INFO	RMATION FOR SEQ ID NO:105:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 6 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:105:	
GGTTTA		6
(2) INFO	RMATION FOR SEQ ID NO:106:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 6 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:106:	
TTTGAG		6
(2) INFO	RMATION FOR SEQ ID NO:107:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 6 base pairs (B) TYPE: nucleic acid	

(2) INFORMATION FOR SEQ ID NO:104:

	(C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:107:	
TTTTCT		6
(2) INFO	RMATION FOR SEQ ID NO:108:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 6 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:108:	
GGCTGA		6
(2) INFO	RMATION FOR SEQ ID NO:109:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 6 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:109:	
ACCCGG		6
(2) INFO	RMATION FOR SEQ ID NO:110:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 6 base pairs	
	(B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	

(ii) MOLECULE TYPE: DNA

(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:110:	
AGGGTA		6
(2) INFO	RMATION FOR SEQ ID NO:111:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:111:	
TTCGCGAC	CC AACACTACT	19
(2) INFO	RMATION FOR SEQ ID NO:112:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:112:	
TTCGCGAC	CC AACACTAC	18
(2) INFO	RMATION FOR SEQ ID NO:113:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEO ID NO:113:	

TTCGCGAC	CC AACACTA	17
(2) INFO	RMATION FOR SEQ ID NO:114:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:114:	
TCGCGACC	CA ACACTACTC	19
(2) INFO	RMATION FOR SEQ ID NO:115:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:115:	
CGCGACCC	AA CACTACTC	18
(2) INFO	RMATION FOR SEQ ID NO:116:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:116:	
GCGACCCA	AC ACTACTC	17

(2) INFORMATION FOR SEQ ID NO:117:

	(1)	(A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: DNA	
((iii)	HYPOTHETICAL: NO	
	(iv)	ANTI-SENSE: YES	
	(xi	SEQUENCE DESCRIPTION: SEQ ID NO:117:	
TTNO	GCGAC	CC AACACTACTC	20
(2)	INFO	RMATION FOR SEQ ID NO:118:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: DNA	
((iii)	HYPOTHETICAL: NO	
	(iv)	ANTI-SENSE: YES	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:118:	
TTC	GCNAC	CC AACNCTACTC	20
(2)	INFO	RMATION FOR SEQ ID NO:119:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: DNA/RNA	
1	(iii)	HYPOTHETICAL: NO	
	(iv)	ANTI-SENSE: YES	
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:119:	
TTCC	GCGAC	CC AACACTACUC	20
(2)	INFO	RMATION FOR SEQ ID NO:120:	
	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	

(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:120:	
TTCGCGAC	CC AACACTACUC	20
(2) INFO	RMATION FOR SEQ ID NO:121:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:121:	
TTCGCGAC	CC AACACTACUC	20
(2) INFO	RMATION FOR SEQ ID NO:122:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:122:	
UUCGCGAC	CC AACACUACUC	20
(2) INFO	RMATION FOR SEQ ID NO:123:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	

(iii) HYPOTHETICAL: NO

(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:123:	
UUCGCGAC	CC AACACUACUC	20
(2) INFO	RMATION FOR SEQ ID NO:124:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:124:	
UUCGCGAC	CC AACACUACUC	20
(2) INFO	RMATION FOR SEQ ID NO:125:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:125:	
UUCGCGAC	CC AACACUACUC	20
(2) INFO	RMATION FOR SEQ ID NO:126:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:126:	
TTCCCCAC	<u> </u>	20

(2) INFO	RMATION FOR SEQ ID NO:127:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:127:	
TTCGCGAC	CC AACACTACTC	20
(2) INFO	RMATION FOR SEQ ID NO:128:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:128:	
TTCGCGAC	CC AACACTACTC	20
(2) INFO	RMATION FOR SEQ ID NO:129:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:129:	
TTCGCGAC	CC AACACTACTC	20
(2) INFO	RMATION FOR SEQ ID NO:130:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs	

	(B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:130:	
TTCGCGAC	CC AACACTACTC	20
(2) INFO	RMATION FOR SEQ ID NO:131:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 26 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:131:	
TTCGCGAC	CC AACACTACTC GTGTTG	. 26
(2) INFO	RMATION FOR SEQ ID NO:132:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:132:	
AGTACCAC	AA GGCCTTTCGC CTTG	24
(2) INFO	RMATION FOR SEQ ID NO:133:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 25 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA	

(111)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:133:	
GCCTTTCG	CG ACCCAACACT GGGTC	25
(2) INFO	RMATION FOR SEQ ID NO:134:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:134:	
CAACACUA	CU CGACTCGCAA	20
(2) INFO	RMATION FOR SEQ ID NO:135:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:135:	
ACTCGCAA	CA ACACUACUCG	20
(2) INFO	RMATION FOR SEQ ID NO:136:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	

(xi) 8	SEQUENCE DESCRIPTION: SEQ ID NO:136:	
GGTCCTGGA	G CAACACUACU	20
(2) INFORM	MATION FOR SEQ ID NO:137:	
(i) s	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) N	MOLECULE TYPE: DNA/RNA	
(iii) H	HYPOTHETICAL: NO	
(iv) <i>1</i>	ANTI-SENSE: YES	
(xi) S	SEQUENCE DESCRIPTION: SEQ ID NO:137:	
CAACACUAC	U GGTCCTGGAG	20
(2) INFOR	MATION FOR SEQ ID NO:138:	
(i) s	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) 1	MOLECULE TYPE: DNA/RNA	
(iii) I	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi) :	SEQUENCE DESCRIPTION: SEQ ID NO:138:	
GGCTCTCAA	C ACUACUCG	18
(2) INFOR	MATION FOR SEQ ID NO:139:	
(i) s	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) 1	MOLECULE TYPE: DNA/RNA	
(iii) 1	HYPOTHETICAL: NO	
(iv) i	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:139:	
CAACACUAC	U CGGGCTCT	18
(2) INFOR	MATION FOR SEQ ID NO:140:	

(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:140:	
CGCAAGCA	ACA ACACUACUCG	20
(2) INFO	RMATION FOR SEQ ID NO:141:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:141:	
ACGAGAGO	GGG UCCUGGAG	18
(2) INFO	DRMATION FOR SEQ ID NO:142:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:142:	
GGTTTAGG	GGG UCCUGGAG	18
(2) INFO	DRMATION FOR SEQ ID NO:143:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single	

	(D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:143:	
TTTGAGGG	GG UCCUGGAG	18
(2) INFO	RMATION FOR SEQ ID NO:144:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:144:	
TTTTCTGG	GG UCCUGGAG	18
(2) INFO	RMATION FOR SEQ ID NO:145:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:145:	
GGGGUCCU	GG AGGGCTGA	18
(2) INFO	RMATION FOR SEQ ID NO:146:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	

(iv) ANTI-SENSE: YES	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:146:	
GGGGUCC	UGG AGACCCGG	18
(2) INF	ORMATION FOR SEQ ID NO:147:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA/RNA	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: YES	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:147:	
GGGGUCC	UGG AGAGGGTA	18
(2) INE	ORMATION FOR SEQ ID NO:148:	
i)) SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA/RNA	
(iii) HYPOTHETICAL: NO	
(iv) ANTI-SENSE: YES	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:148:	
ACGAGAC	GGG UCCUGGAGGC UCAU	24
(2) INE	ORMATION FOR SEQ ID NO:149:	
i)	.) SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA/RNA	
(iii) HYPOTHETICAL: NO	
(iv	ANTI-SENSE: YES	
(vi) SECTION DESCRIPTION: SEC ID NO:149:	

AGGATTGG	GG UCCUGGAGGC UCAU	24
(2) INFO	RMATION FOR SEQ ID NO:150:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:150:	
GGTTTAGG	GG UCCUGGAGGC UCAU	24
(2) INFO	RMATION FOR SEQ ID NO:151:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:151:	
GGTTTAGC	UC AUGGGGUCCU GGAG	24
(2) INFO	RMATION FOR SEQ ID NO:152:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:152:	
TTTGAGGG	GG UCCUGGAGGC UCAU	24
(2) INFO	RMATION FOR SEQ ID NO:153:	
(i)	SEQUENCE CHARACTERISTICS:	

	(A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA/RNA	
((iii) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: YES	
((xi) SEQUENCE DESCRIPTION: SEQ ID NO:153:	
TTTG	SAGGCUC AUGGGGUCCU GGAG	24
(2)	INFORMATION FOR SEQ ID NO:154:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	(ii) MOLECULE TYPE: DNA/RNA	
((iii) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: YES	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:154:	
TTTT	CTGGGG UCCUGGAGGC UCAU	24
(2)	INFORMATION FOR SEQ ID NO:155:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	(ii) MOLECULE TYPE: DNA/RNA	
((iii) HYPOTHETICAL: NO	
	(iv) ANTI-SENSE: YES	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:155:	
TTTT	PCTGCUC AUGGGGUCCU GGAG	24
(2)	INFORMATION FOR SEQ ID NO:156:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	

(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:156:	
GCUCAUGG	GG UCCUGGAGGG GTGA	24
(2) INFO	RMATION FOR SEQ ID NO:157:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:157:	
GCUCAUGG	GG UCCUGGAGAC CCGG	24
(2) INFO	RMATION FOR SEQ ID NO:158:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 24 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:158:	
GCUCAUGG	GG UCCUGGAGAG GGTA	24
(2) INFO	RMATION FOR SEQ ID NO:159:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	

(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:159:	
CCCUCCGG	GG GTCCTG	16
(2) INFO	RMATION FOR SEQ ID NO:160:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:160:	
GGGGGTCC'	rg	10
(2) INFO	RMATION FOR SEQ ID NO:161:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:161:	
cccucccc	CC CNGGGGGTCC TG	22
(2) INFO	RMATION FOR SEQ ID NO:162:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 11 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:162:	
GGGGGNTC	CT G	11

(2) INFO	RMATION FOR SEQ ID NO:163:		
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii)	MOLECULE TYPE: DNA/RNA		
(iii)	HYPOTHETICAL: NO		
(iv)	ANTI-SENSE: YES		
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:163:		
CCCUCCGG	GG GNCCCCCTCC TG	22	
(2) INFO	RMATION FOR SEQ ID NO:164:		
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii)	MOLECULE TYPE: DNA/RNA		
(iii)	HYPOTHETICAL: NO		
(iv)	ANTI-SENSE: YES		
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:164:		
GGGGGNCC	CC CTCCTG	16	
(2) INFO	RMATION FOR SEQ ID NO:165:		
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 17 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii)	MOLECULE TYPE: DNA/RNA		
(iii)	HYPOTHETICAL: NO		
(iv)	ANTI-SENSE: YES		
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:165:		
CCCUCCGG	CCCUCCGGGG GNTCCTG		
(2) INFO	RMATION FOR SEQ ID NO:166:		
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 32 base pairs (B) TYPE: nucleic acid		

	(C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii)	MOLECULE TYPE: DNA/RNA		
(iii)	HYPOTHETICAL: NO		
(iv)	ANTI-SENSE: YES		
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:166:		
GUCUACGA	GA GGGGGNCCCC CCCUCCCTCC TG	32	
(2) INFO	(2) INFORMATION FOR SEQ ID NO:167:		
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii)	MOLECULE TYPE: DNA/RNA		
(iii)	HYPOTHETICAL: NO		
(iv)	ANTI-SENSE: YES		
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:167:		
GUCUACGA	GA GGGGGNTCCT G	21	
(2) INFO	RMATION FOR SEQ ID NO:168:		
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii)	MOLECULE TYPE: DNA/RNA		
(iii)	HYPOTHETICAL: NO		
(iv)	ANTI-SENSE: YES		
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:168:		
GUCUACGA	GA GGGGGTCCTG	20	
(2) INFO	RMATION FOR SEQ ID NO:169:		
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(ii)	MOLECULE TYPE: DNA/RNA		

(111)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:169:	
GUCUACGA	GA NCCUCCCGGG GG	22
(2) INFO	RMATION FOR SEQ ID NO:170:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:170:	
GUCUACGA	GA NGGGGG	16
(2) INFO	RMATION FOR SEQ ID NO:171:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 31 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:171:	
CCCGGGAG	GG GGGGNCCCCC CCUCCCTCCT G	31
(2) INFO	RMATION FOR SEQ ID NO:172:	
(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii)	MOLECULE TYPE: DNA/RNA	
(iii)	HYPOTHETICAL: NO	
(iv)	ANTI-SENSE: YES	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:172	

(2) INFORMATION FOR SEQ ID NO:173:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 302 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single

 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (iii) HYPOTHETICAL: NO
- (iv) ANTI-SENSE: YES
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:173:

TCACGCAGAA	AGCGTCTAGC	CATGGCGTTA	GTATGAGTGT	CGTGCAGCCT	CCAGGACCCC	60
CCCGGGAGAG	CCATAGTGGT	CTGCGGAACC	GGTGAGTACA	CCGGAATTGC	CAGGACGACC	120
GGGTCCTTTC	TTGGATCAAC	CCGCTCAATG	CCTGGAGATT	TGGGCGTGCC	CCCGCGAGAC	180
TGCTAGCCGA	GTAGTGTTGG	GTCGCGAAAG	GCCTTGTGGT	ACTGCCTGAT	AGGGTGCTTG	240
CGAGTGCCCC	GGGAGGTCTC	GTAGACCGTG	CACCATGAGC	ACGAATCCTA	AACCTCAAAG	300
AA						302